



State of Utah

Product Description

Product Number: 4502.9.15

AWQMS

Effective Date: July 1, 2014
Revision Date:
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The Ambient Water Quality Monitoring System (AWQMS) contains information about water quality monitoring systems and their violations of State and EPA regulations.

The AWQMS is a third party built system replacement for the distributed EPA STORET database, which was de-supported in the Fall of 2009. AWQMS is a third party web-based water quality data management system that includes support for batch import and export, data management, reporting, graphing, and data submission via an Exchange Network NODE/NODE client.

The hours of support required for AWQMS are listed below.

Application	Support Hours	Days of Week
AWQMS	.Application Support 7:00 am - 5:30 pm Best effort after hours and on weekends	Monday - Friday
	Hosting, Database, Security and WAN Network support - 24 x 7	Sunday - Saturday

Product Features and Descriptions

Feature	Description
Data management	Track monitoring sites and the data related to the sites, including biological data.
Data Input & Validation	Validations tools/rules are integrated into the data input screens.
Search/List Pages	Ability for searching and creating lists based upon user determined criteria.

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Multiple login and security settings	AWQMS supports multiple login and security settings for both the web client and the database allowing flexibility in rights/roles. This also allows multiple concurrent users to perform database functions.
System Administration	AWQMS provides an easy-to-use web page to manage users and security levels.
CDX WQX Node integration	Facilitates data flow from State database to EPA's CDX via State NODE.
GIS interface	Utilizes Google Maps interface to access monitoring locations and data with the ability to drill down to more detailed data.
Reporting & Graphing	Integrated functionality to generate various reports & graphs.

Features Not Included

Feature	Explanation
User Training	DTS support does not include user training or training manuals. This service is provided by vendor via class training or tutorials.
Application Help Desk	DTS support does not include a front-line application help desk. Application questions are first directed to assigned agency staff.

Rates and Billing

Feature	Description	Base Rate
Application Maintenance by DTS Staff	All hours reported as time worked each pay period, including overtime and on-call, except for hours tagged as "Admin".	Refer to DTS Rate for Application Maintenance
Contract Staff	Supplemental staff hired from the private sector assigned to DEQ.	Actual cost
Hosting Services	DTS Hosting Services involves the management of servers, storage, and backup/restore services for executive branch agencies within the State. It includes installation, deployment, maintenance and support of the operating system (OS), web server, and application server software. The customer is responsible for the costs of securing proprietary software, application server software, database software, and for software maintenance.	See Hosting Product Description

Ordering and Provisioning



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DEQ will determine what work is actually performed using the priority process applicable to each business unit or group. AWQMS users and/or DTS support personnel report application bugs and desired enhancements verbally or via email.

DTS Responsibilities

DEQ/DTS will provide hosting and configuration support. Vendor provides fixes to application based upon their maintenance agreement with DEQ.

Select the technologies used for each application and the best method for applying those technologies to meet the agency's needs.

Identify technical requirements and ensure resources are available. Ensure potential expenditures are identified early in the release process.

Submit request to Change Management for implementation into the Production environment after final approval given by the customer.

Prepare and implement application and fixes for production environment.

Agency Responsibilities

Define business requirements for any requested changes to an application.

Use the agreed-upon service request process and applicable tool to document application bugs and enhancement requests.

Work cooperatively with DTS staff when setting priorities and working on releases, if necessary.

Perform Acceptance Testing of each release, paying particular attention to bug fixes and requested enhancements that have been assigned to the release. Maintain test scripts and run regression tests on each release.

Evaluate the quality of each release and give final approval to deploy the release.

Provide application help desk support to all staff that use DEQ applications. Escalate problems to DTS staff when required.

Update training manuals to reflect changes being made to the application. Train users as needed.

DTS Service Levels and Metrics

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In an effort to improve service to our customer agencies, DTS will measure and report on the following enterprise metric goals:

- Application Availability
- Resolution Time
- Initial Response
- First Contact Resolution
- Customer Satisfaction Surveys

Application Availability:

Application availability measures DTS' efforts to ensure agency key business applications meet the percent of availability goals identified in the agency Service Level Agreements (SLA). DTS will determine application availability based upon the collective measurement of the configuration items (both hardware and software) which are determinant to supporting the agency business services applications. These metrics will be reported each month by agency with a cumulative report showing DTS' efforts over several months and posted to the DTS Metrics web page at <http://dts.utah.gov/metrics/index.html>.

Metric Description	Target
AWQMS (7am-5:30pm, Mon-Fri)	99%

Times exclude those tickets in a "Pending" status waiting a known bug fix.

Resolution Time:

Resolution time measure DTS' efforts to resolve customer incidents within the time lines set below based upon urgent, high, medium and low priorities. These metrics will be reported each month, by agency, with a cumulative report showing DTS' efforts over several months. These reports will then be posted on the DTS Metrics web page at: <http://dts.utah.gov/metrics/index.html>.

Total Time to Resolution	Target: Percent of Tickets Meeting Priority Timelines
Low priority - 6 Business hours	90%
Medium priority - 4 Business hours	90%
High priority – 3 Clock hours	90%
Critical priority - 3 Clock hours	90%

Initial Response:

Initial response measure DTS' efforts to respond to customer incidents within the timelines set below based upon urgent, high, medium and low priorities. These metrics will be reported each month by agency with a cumulative report showing DTS' efforts over several months. These reports will then be posted on the DTS Metrics web page at: <http://dts.utah.gov/metrics/index.html>.

Time to Initial Response	Target: Percent of Tickets Meeting Priority Timelines
Low priority – 1 Business hour	85%
Medium priority – 1 Business hour	85%
High priority – 1 Clock hour	90%
Critical priority – 30 Clock minutes	95%

First Contact Resolution:

First contact resolution measures DTS' efforts to resolve customer incidents on initial contact with either our help desk or a technical specialist. These metrics will be reported each month, by agency, with a cumulative report showing DTS' efforts over several months. These reports will then be posted on the DTS Metrics web page at <http://dts.utah.gov/metrics/index.html>.

Metric Description	Target
First Contact Resolution	65% of all incidents reported resolved on initial contact

Customer Satisfaction Surveys and Reporting:

All users/customers whose technical incidents are resolved by DTS staff will be given the opportunity to respond to an on-line survey regarding their level of satisfaction with the support received from DTS. Responding to the survey is voluntary.

The chart below identifies DTS enterprise goals for customer satisfaction. Cumulative monthly reports will be created displaying the customer's level of satisfaction with DTS support. These reports will then be posted on the DTS Metrics web page at <http://dts.utah.gov/metrics/index.html>.

Customer Satisfaction Target

Metric Description	Target
Average level of satisfaction with resolution efforts	≥ 4.5 on a scale of 0 - 5
Percentage of respondents expressing satisfaction (vs. dissatisfaction)	93% of respondents satisfied